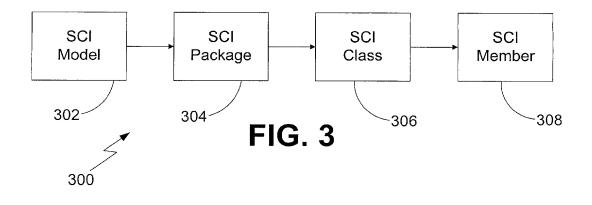


FIG. 2



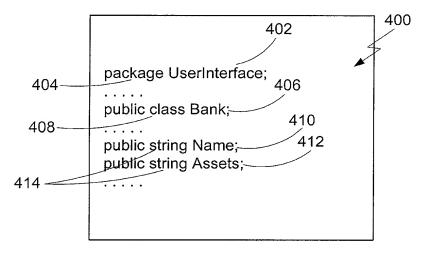
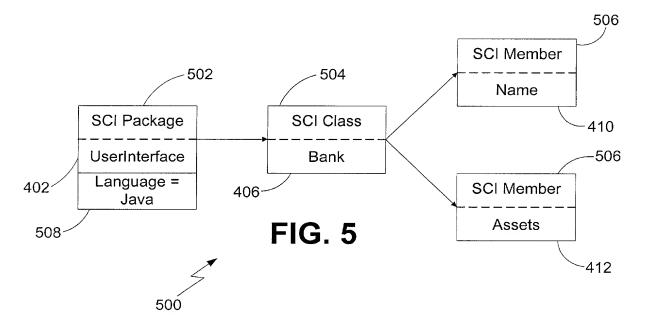


FIG. 4



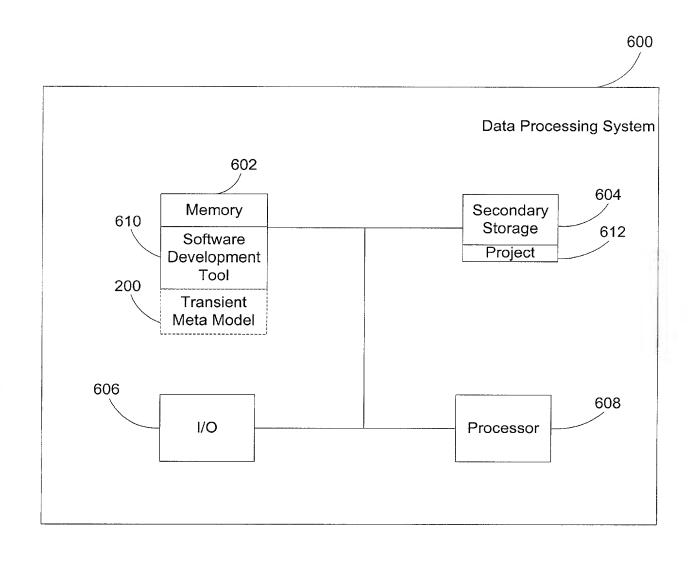


FIG. 6

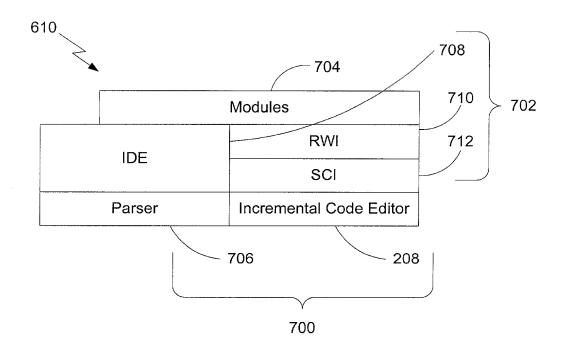


FIG. 7

Title		Abbreviation	Chosen			ESCHALLES COMM		
Coding Style				1-1	Severity:	High	-	
Access Of Static Members Through	Objects	AOSMTO		1411		1		
Assignment To Formal Parameters	udostacostatuiga; varantai nuejas vaiga	ATFP	<u> </u>	製し				
Complex Assignment	***************************************	CA	· []	2	- 802			
Don't Use the Negation Operator Fred	quently	DUNOF	. 🔽	133				
Operator '?:' May Not Be Used		OMNBU	. [
Provide Incremental In For-Statement	or use w	. PIIFS	V					
Replacement For Demand Imports		RFDI	v					
Use Abbreviated Assignment Operat	or	UAAO	v					
Use 'this' Explicitly To Access Class	Members	UTETACM	· 🗹	潔儿				
Critical Errors	· ·		V					
Avoid Hiding Inherited Attributes		AHIA						
Avoid Hiding Inherited Static Methods	***************	AHISM	<u>v</u>					
Command Query Separation		CQS	V					
Hiding Of Names		HON	V					
Inaccessible Constructor Or Method		ICOMM	<u>u</u>					
Multiple Visible Declarations With San		MYDWSN						
Overriding a Non-Abstract Method W	ith an Ab	engrenantificiamentenamenamentenamenatenamentenamentenamentenamentenamentenamentenamentenamentenamen						
Overriding a Private Method	~~~	OPM	<u>, </u>					
Select all Unselect all Set o	efaults	Save set As	Load set	.]]				
			·				×	
AOSMTO - Access Of Static M Static members should be referen				throug	h objects.—	80)4	

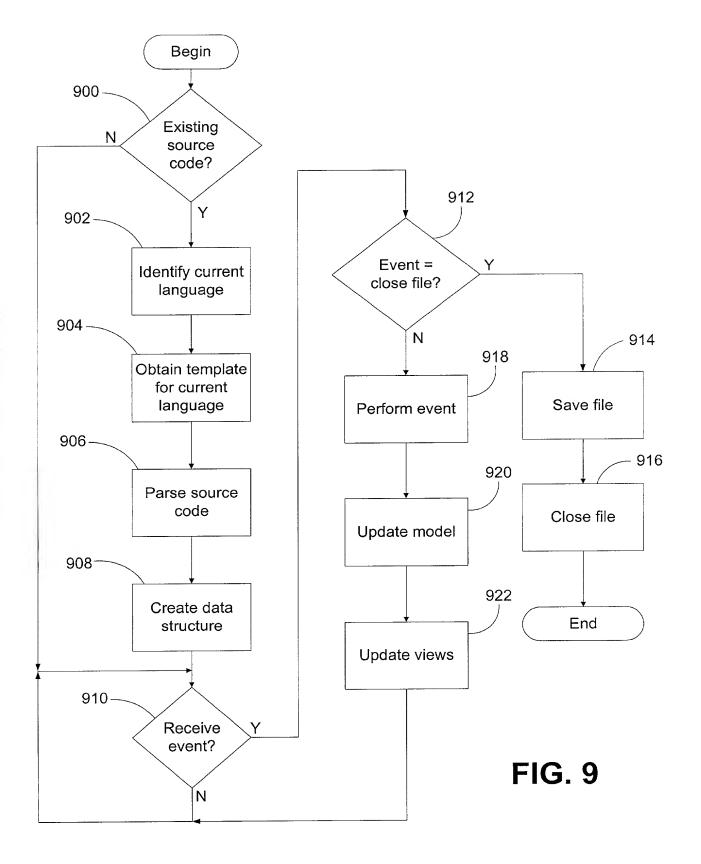
FIG. 8A

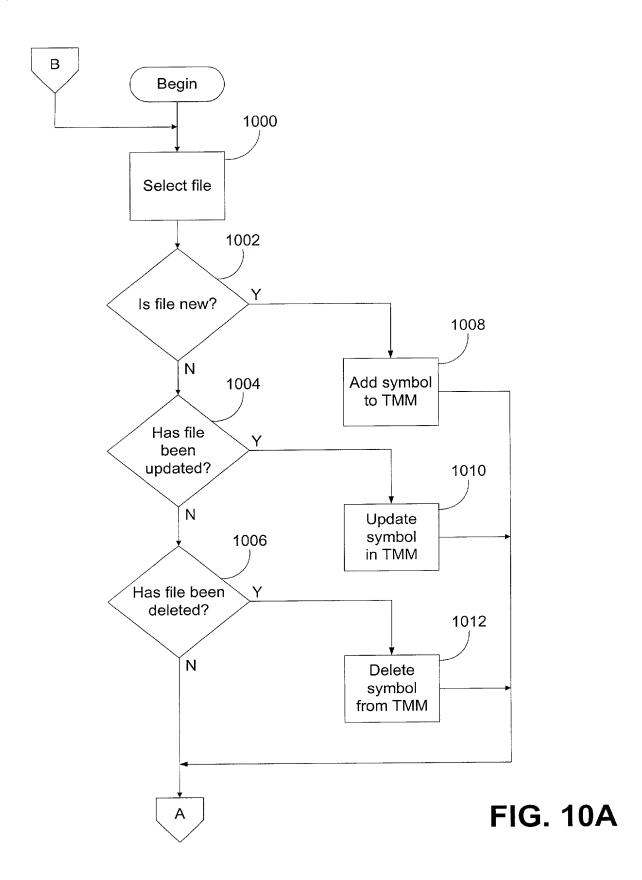
806 /	
Title Abbreviation Chosen Complex Assignment CA ✓ Don't Use the Negation Operator Frequently DUNOF ✓ Operator '?: 'May Not Be Used OMNBU ✓ Provide Incremental In For-Statement or use w PIIFS ✓ Replacement For Demand Imports RFDI ✓ Use Abbreviated Assignment Operator UAAO ✓ Select all Unselect all Set defaults Save set As Load set	
CA - Complex Assignment Checks for the occurrence of multiple assignments and assignments to variables within the same expression. Too complex assignments should be avoided since they decrease program readability	
Wrong // compound assignment i *= j++; k = j = 10; l = j += 15; // nested assignment i = j++ + 20;	
i = (j = 25) + 30; Tip: Break statement into several ones. Start Cancel Help	

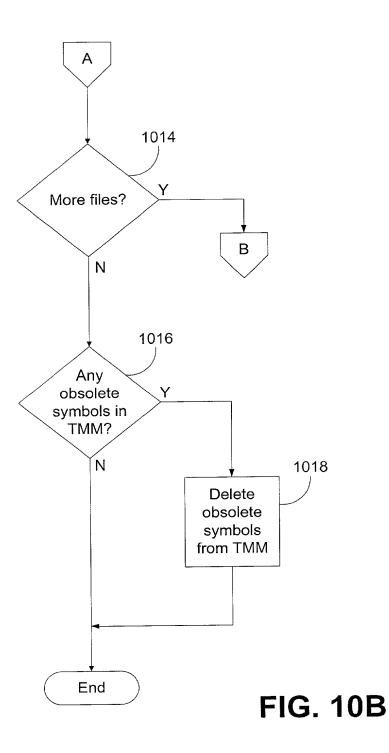
FIG. 8B

T		1 4 4 5 1 7 5 1 7		**************************************
Complex Assignment Don't Use the Negation Operator '?:' May Not B Provide Incremental In	THE PARTY OF THE P	DUNOF OMNBU	Chosen Chosen Chosen Chosen Chosen Chosen Chosen Chosen	Severity: Normal ▼
Select all Unselec	ct all Set defaults.	Save set As	Load set	•
Tip: Break statement	into several ones.			
Right				
rugiit				
// instead of i *	= j ++;			
j++;		812		
i *= j // instead of k	= i = 10·			
k = 10;	- 3 - 10,			
j = 10;		•		
// instead of l	= j += 15;			
j += 15;				
l = j;				
// instead of i	= j++ + 20;			
j++;				
i = j + 20;	7÷ = 25\ 1 20:			
<pre>// instead of i j = 25;</pre>	= (j = 25) + 30;	•		
j = 20;				

FIG. 8C







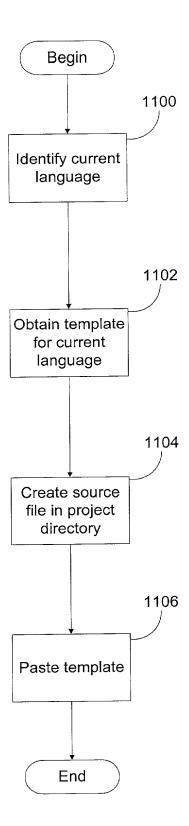


FIG. 11

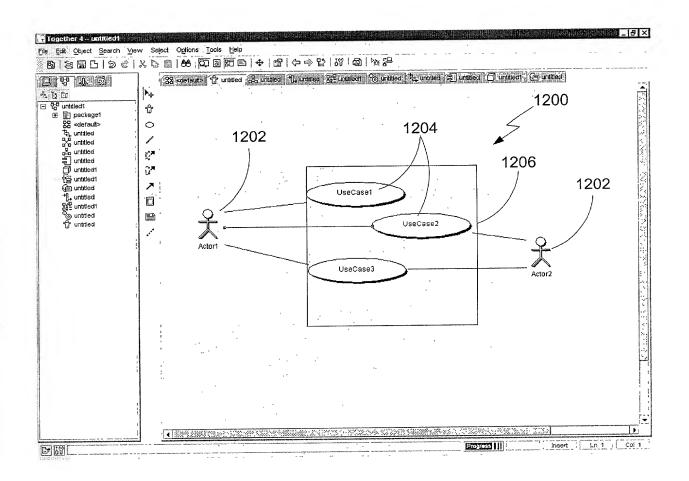


FIG. 12

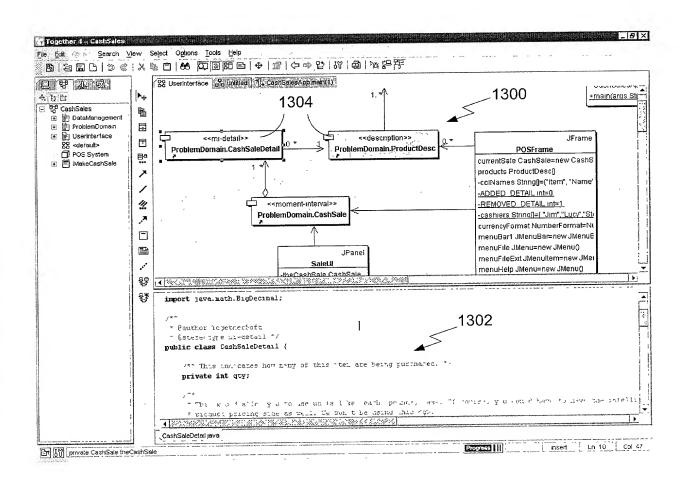


FIG. 13

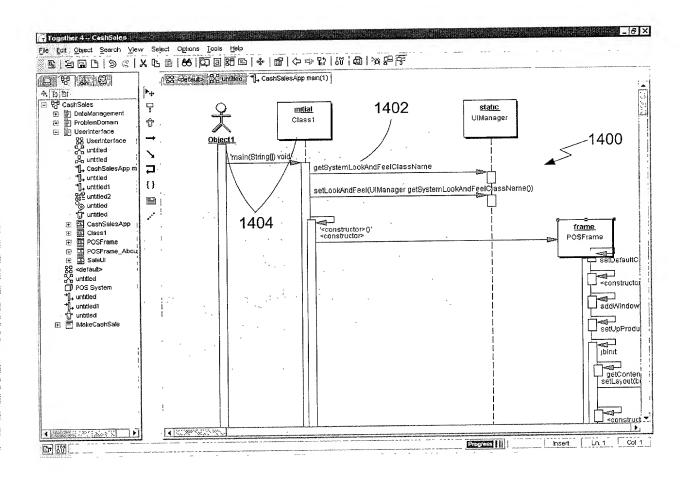


FIG. 14

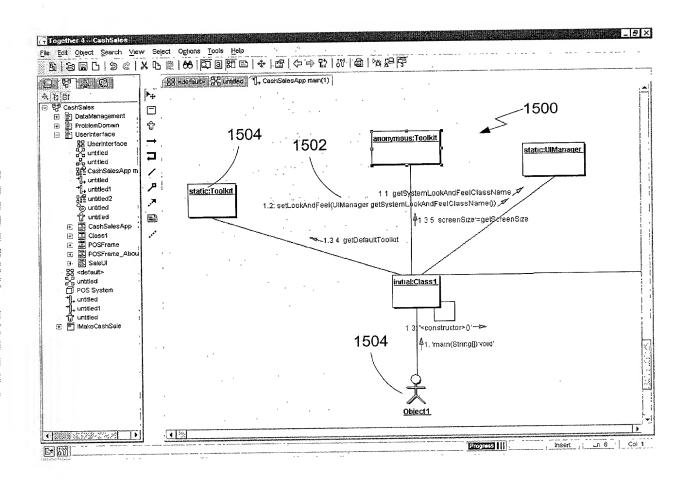


FIG. 15

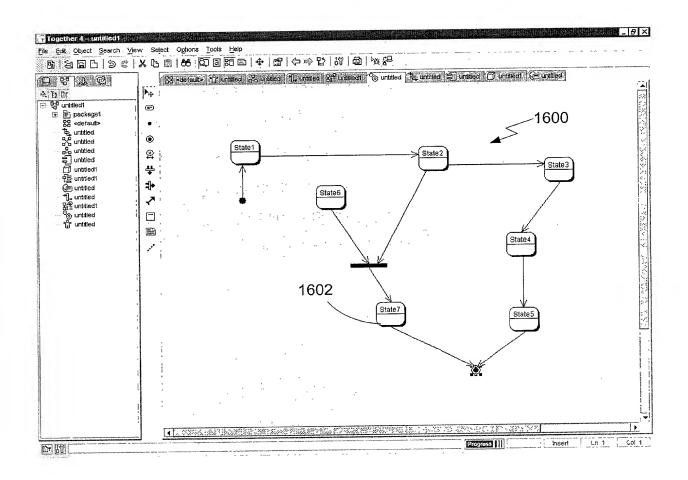


FIG. 16

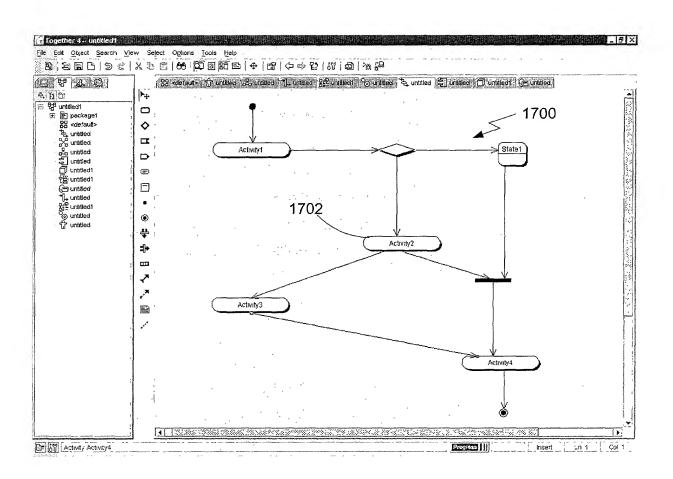


FIG. 17

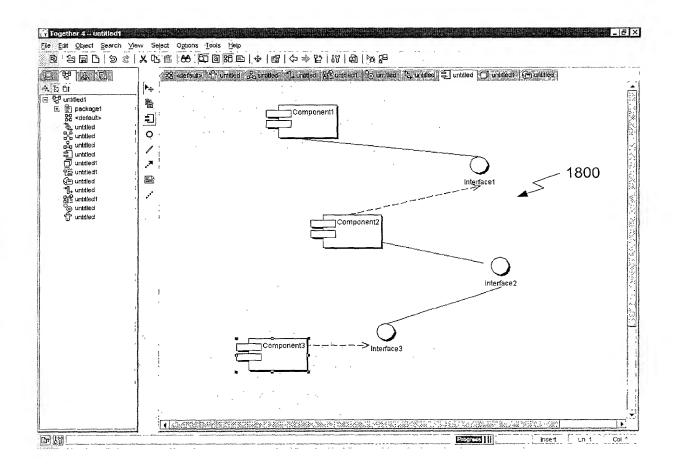


FIG. 18

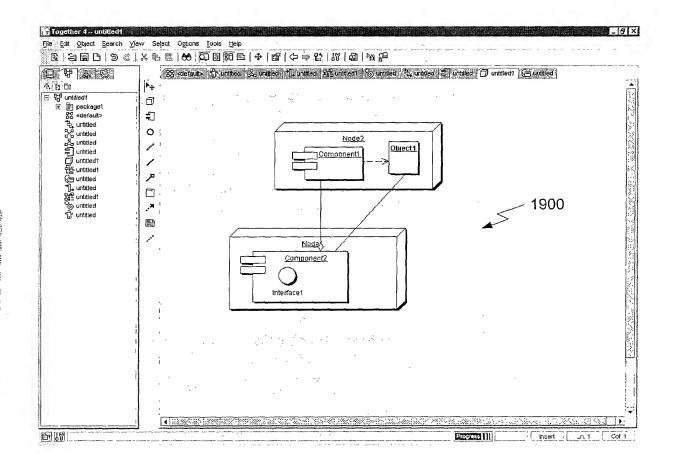
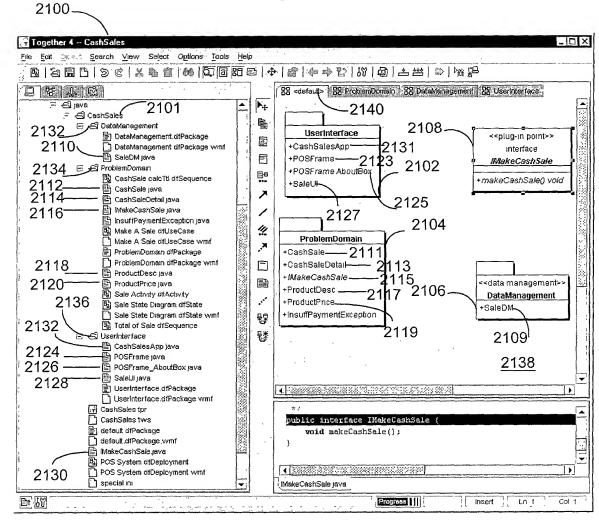


FIG. 19

```
2002
public class Sale
* @link aggregation
* @associates <{SaleDetail}>
private Vector InkSaleDetail;
public void addltem( Product aProd)
 {
                             2004
                                      - 2006
                   2008
 }
   public SaleDetail( String barCode)
 Product item = Product.lookUp( barCode );
}
                 2010
                                    2012
```

FIG. 21



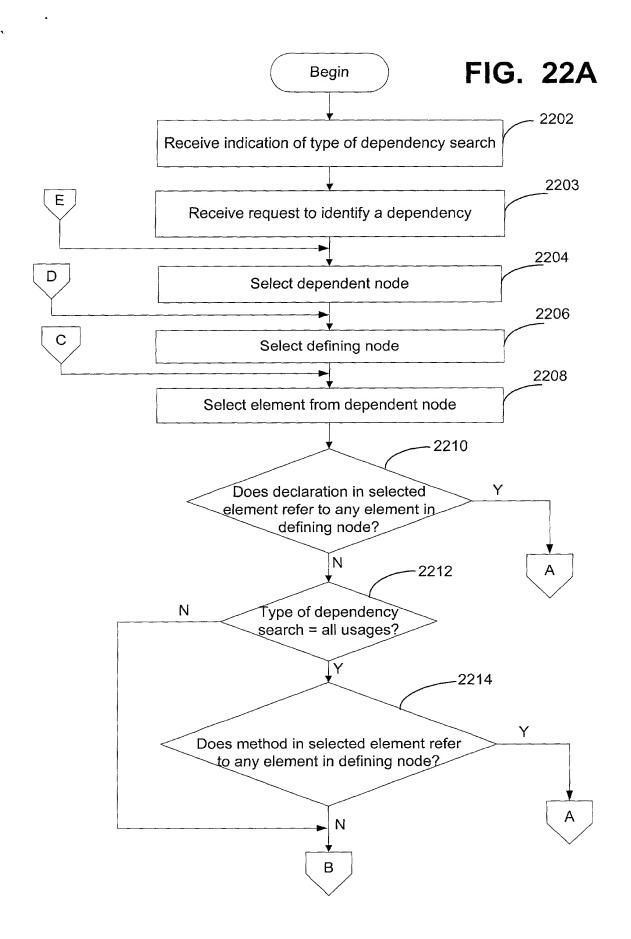
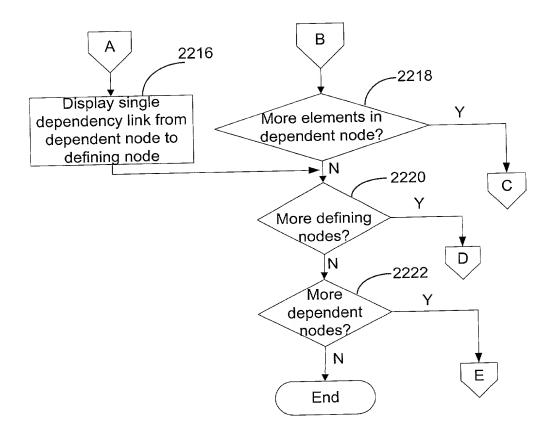


FIG. 22B



**************************************	General Diagram View Manag		rird
Name		Value	
Diagram actamore.		Default	
Member format	mmu fram s r r m	UML	
Show subpackage contents	V N V 2 A MY2 34 NO V C	Z	
Show beans	-		······································
Referenced Classes			
Dependencies	·	2302 -	
Show between classes	a a suma marayere e e e	2304 —	_
L Check	and an analysis of the second	All usages	
Sequence diagram 4 4	,	Declarations only	ı
Show we are a more and an are are an are an are	m often touchenancy can be a series b	All usages	
A	*		
•		23	ก่อ
	•	20	00
* <	**************************************		
escription	de discourses académic Mossilian à administrations de archetecturales. V de : C	mandiage or process to retreated a state or a reconstruction or rate or as on a state order	Property or Andrews or
dependency check between classes is on, this defines what T	ogether will analyze w	hıle searching for dependencies bet	ween
asses or interfaces:			
Declarations only - Together will analyze only deck	arations of attributes, r	etum values of methods and types	of
parameters.	ř		
 All usages - Together will also analyze bodies of met 	hods and initial values	-	
	ance or large diagrams		
(å KNIN)(2) ('hooeina thia cettina could recult in close nertorms	meno or anter anterior.		
ARNING: Choosing this setting could result in slow perform			

FIG. 24

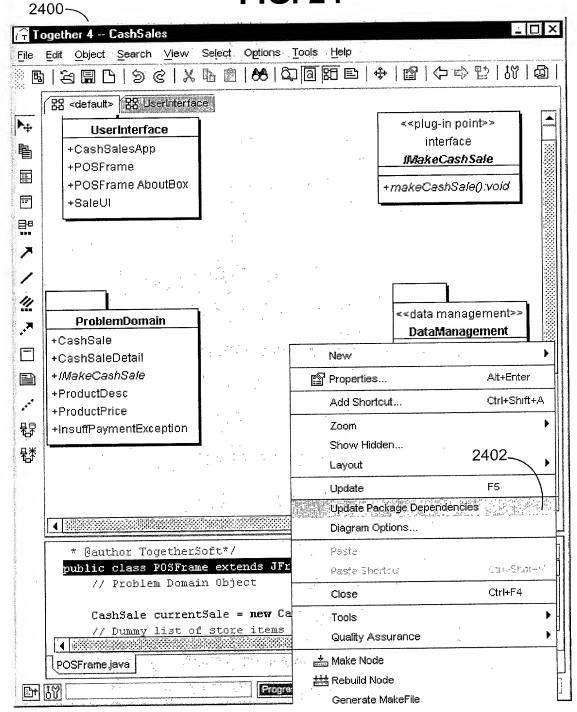


FIG. 25

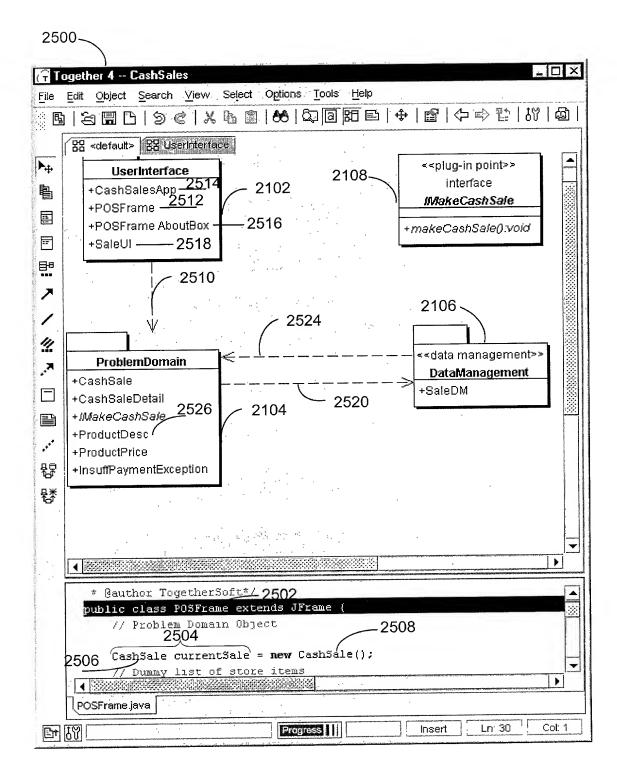
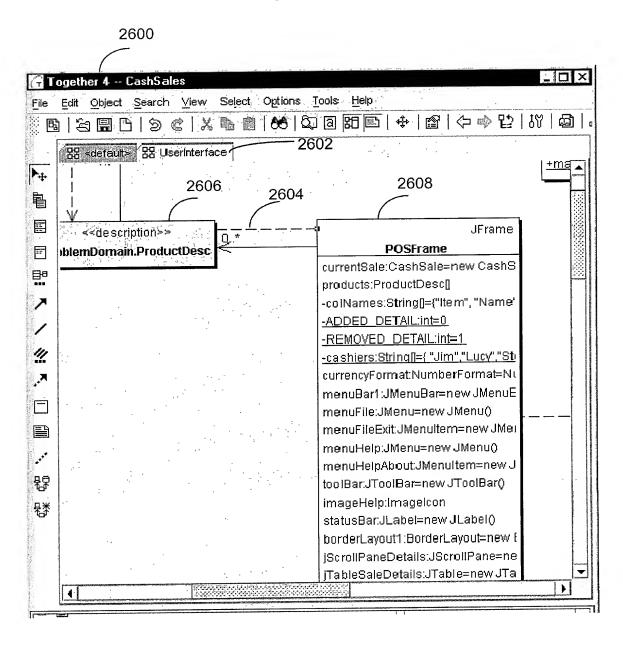
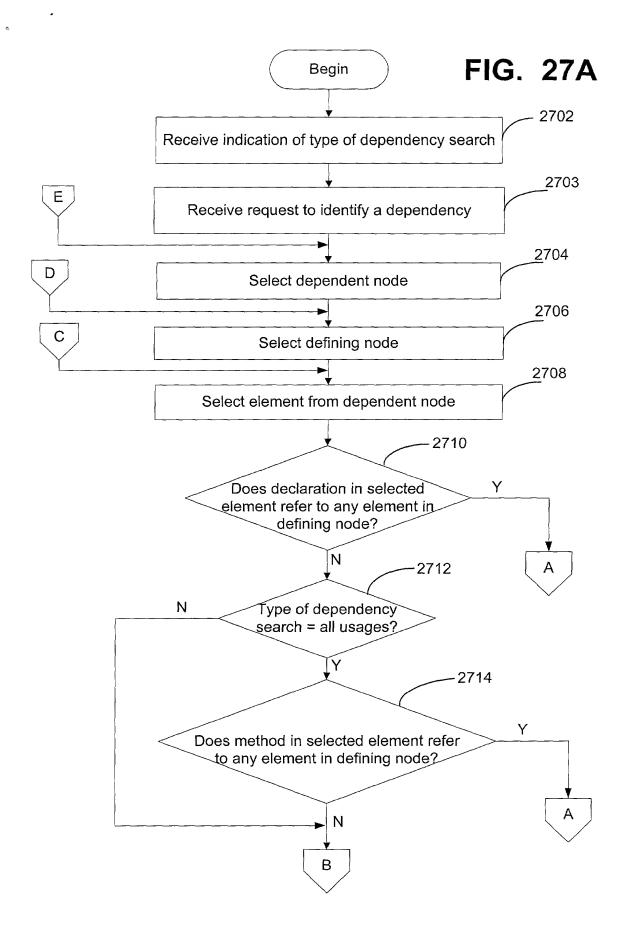
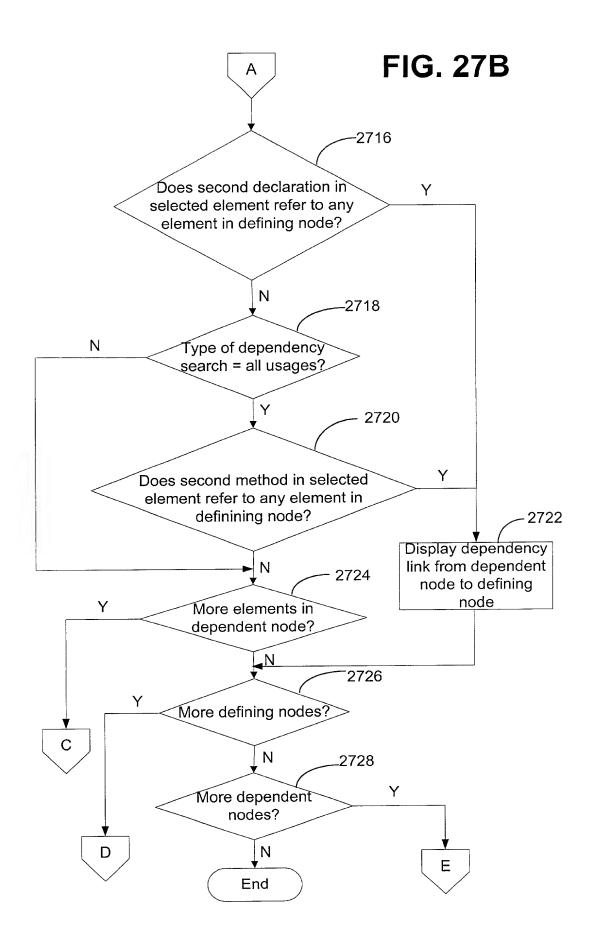


FIG. 26







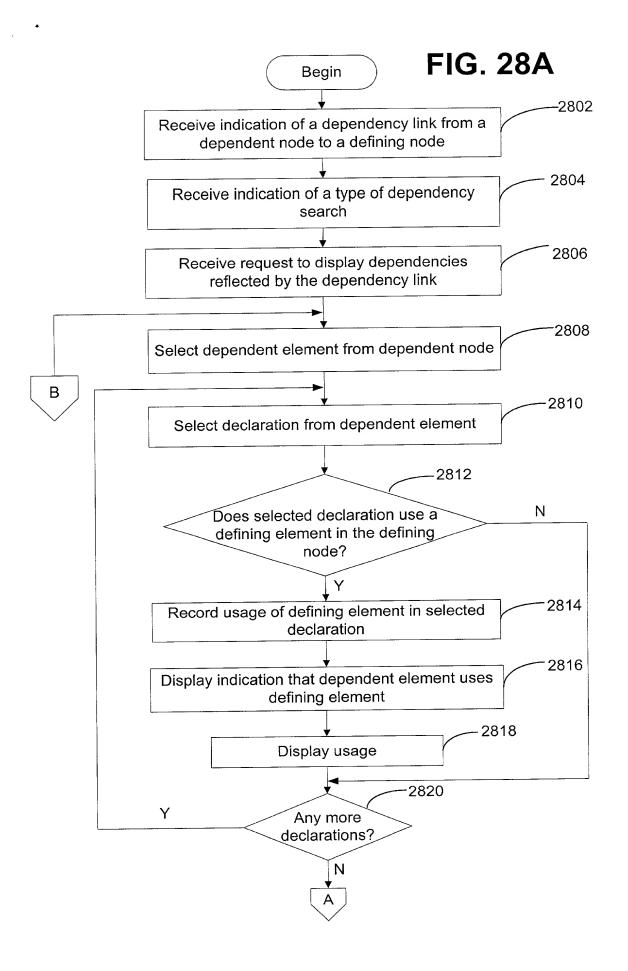


FIG. 28B

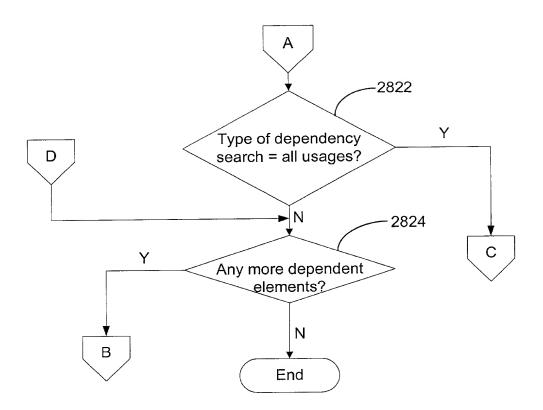


FIG. 28C

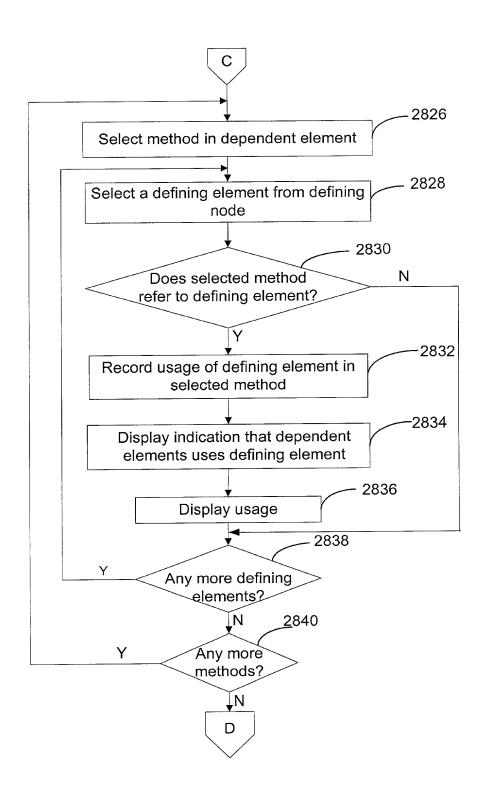
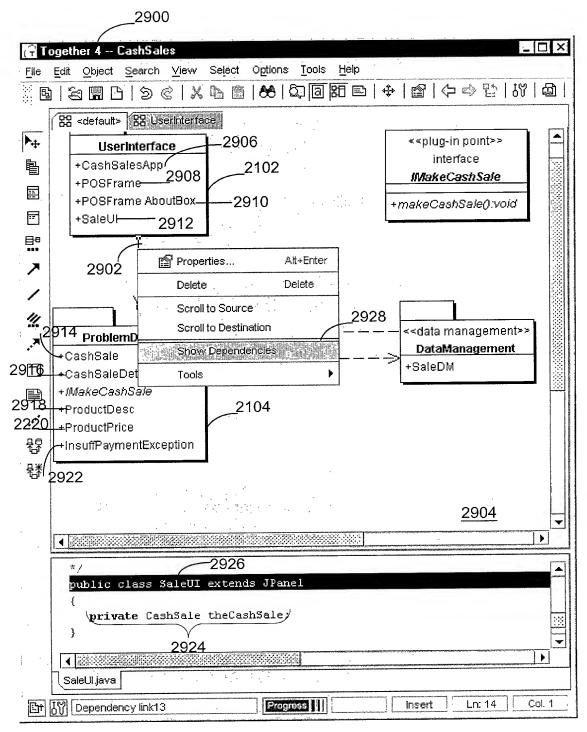


FIG. 29



```
3002-
        public class POSFrame extends JFrame {
          // Problem Domain Object
          CashSale currentSale = new CashSale();
          // Dummy list of store items
                                          3004
          ProductDesc[] products;
          // Sale Detail Table Column Header
      3006
          private final String[] colNames = {"Item", "Name", "Unit", "Qty", "Price"};
          private final static int ADDED_DETAIL = 0;
          private final static int REMOVED DETAIL = 1;
          // Dummy list of cashiers
          private final static String[] cashiers =
        "Jim", "Lucy", "Steve", "Sarah", "Jon", "Buddy", "Bettie", "Sue", "John", "Ted" };
          NumberFormat currencyFormat = NumberFormat.getCurrencyInstance();
                                           3014
                     3010
                                                       3016
           private void setUpProducts() {
           products = new ProductDesc[10];
          products[0] = new ProductDesc("1", "Pepsi 24-pack", "Pepsi 24", new BigDecimal(3.99));
          products[1] = new ProductDesc("2", "Lays Ridges", "Lays", new BigDecimal(1.99));
          products[2] = new ProductDesc("3", "Vienna Sausages", "Vienna Sausages",
3008
          new BigDecimal(2.99));
          products[3] = new ProductDesc("4", "White Popcorn", "White Popcorn",
          new BigDecimal(1.30));
3012
          products[4] = new ProductDesc("5", "Soy Burgers", "Soy Burger", new BigDecimal(5.99));
          products[5] = new ProductDesc("6", "Cat Chow", "Cat Chow", new BigDecimal(9.99));
          products[6] = new ProductDesc("7", "Puppy Chow", "Puppy Chow", new BigDecimal(12.99)),
          products[7] = new ProductDesc("8", "Finch Food", "Finch Food", new BigDecimal(1.59));
          products[8] = new ProductDesc("9", "Rice Krispies", "Rice Krispies", new BigDecimal(3.30));
          products[9] = new ProductDesc("10", "Fruit Loops", "Fruit Loops", new BigDecimal(3.49));
```

```
FIG. 31
     public class ProductDesc {
       /** Use it if you need to identify Products as specific types. */
       private int type;
       /** Product name. For example: Goetze's Caramel Cremes */
       private String name;
       /** This is the unique identifying number. Something like a UPC for retail
       products. */
       private String itemNumber;
       /** Default price. */
       private BigDecimal defaultPrice;
       /** Some prose describing the product in all its glory. */
       private String description;
       /**
        *List of prices. If this list has elements, then they are checked. Otherwise,
         the default price is used. 
        * @supplierCardinality 1..*
        * @associates <b>ProductPrice</b>
       private Vector priceObjects;
     * Constructors
       /** Constructor requires all parameters. Type is defaulted to 0 since we
3104
       aren't using it. */
       -public ProductDesc(String anItemNum, String aDesc, String aName,
       BigDecimal aPrice) {
         type = 0; // not currently used
         itemNumber = anItemNum;
          description = aDesc;
         name = aName;
          defaultPrice = aPrice;
         priceObjects = new Vector();
       } // END ProductDesc(...)
```

- 3102

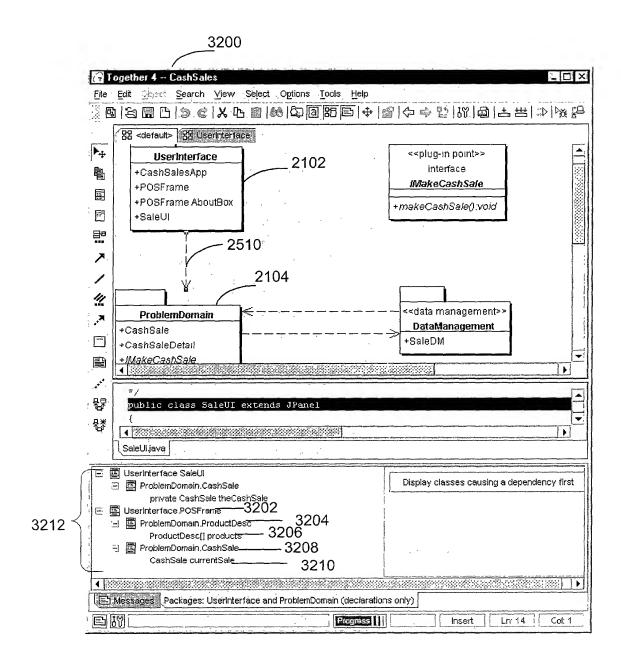


FIG. 33

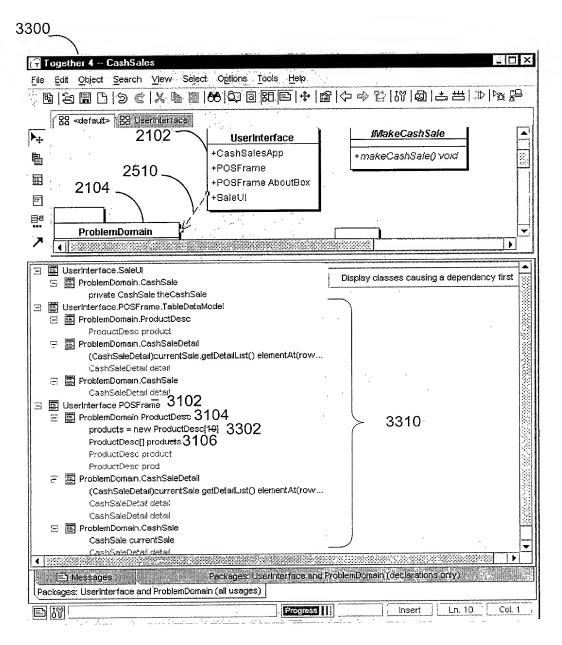


FIG. 34

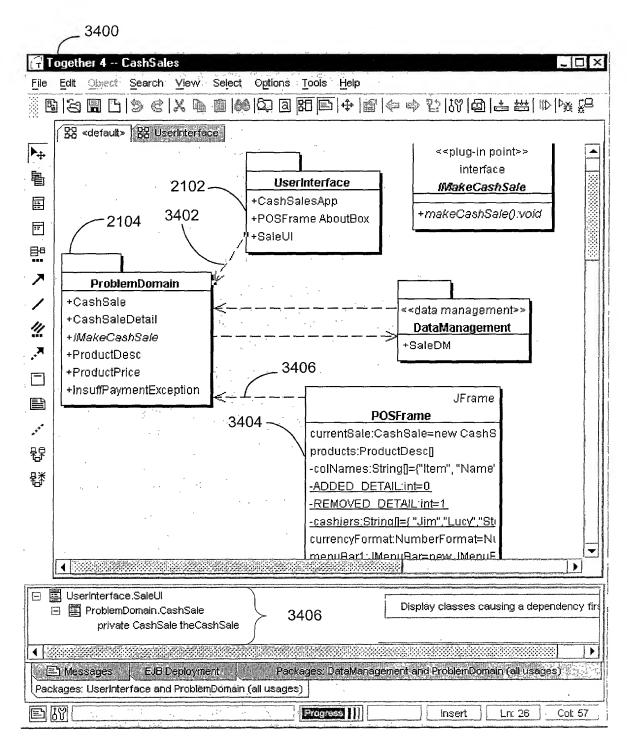


FIG. 35

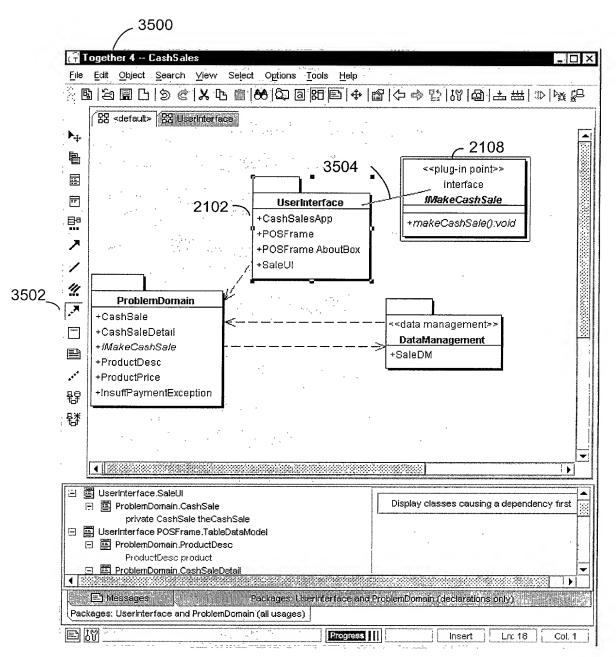


FIG. 36

